A PRION-LIKE FORM OF CPEB AND RELATED COMPOSITIONS AND METHODS

Abstract of the Disclosure

The present invention provides methods for determining whether agent facilitates the conversion of a cytoplasmic polyadenylation element binding (CPEB) protein from its nonprion form to its prion form. This invention also provides methods for determining the presence and amount of the prion form of CPEB protein in a cell. This invention also provides methods for facilitating the conversion of a non-prion CPEB protein to its prion form. This invention also provides an isolated prion form cytoplasmic polyadenylation binding (CPEB) protein and compositions comprising a therapeutically effective amount of an agent that facilitates the conversion of CPEB protein from its non-prion form to its prion form, and methods of making such compositions.